TITLE INDEX

Agreement in Circular Societies, Christopher S. Hardin, 40

Alfred Tarski: Life and Logic. By Anita Burdman Feferman and Solomon Feferman, reviewed by Anil Nerode, 286

Analysis with Ultrasmall Numbers, Karel Hrbacek, Olivier Lessmann, and Richard O'Donovan, 801

Ancient Elliptic Locus, An, John E. Wetzel, 161

Another Application of Siebeck's Theorem, Peter R. Mercer, 452

Asymptotic Formula for Goldbach's Conjecture with Monic Polynomials in $\mathbb{Z}[x]$, An, Mark Kozek, 365

Better Way to Deal the Cards, A, Mark A. Conger and Jason Howald, 686

Concise, Elementary Proof of Arzelà's Bounded Convergence Theorem, A, Nadish de Silva, 918

Congruence Problem for Polyhedra, A, Alexander Borisov, Mark Dickinson, and Stuart Hastings, 232

Continuous Bijection from ℓ^2 onto a Subset of ℓ^2 Whose Inverse Is Everywhere Discontinuous, A, Sam H. Creswell, 823

Counting Interesting Elections, Lara K. Pudwell and Eric S. Rowland, 167

Definitions and Nondefinability in Geometry, James T. Smith, 475

Dimension, Linear Functionals, and Norms in a Vector Space, Miyeon Kwon, 738

Diophantine Equation $x^4 \pm y^4 = iz^2$ in Gaussian Integers, The, Filip Najman, 637

Discovering and Proving that π Is Irrational, Timothy W. Jones, 553

Dispersive Quantization, Peter J. Olver, 599

Dynamical System Using the Voronoï Tessellation, A, Natalie Priebe Frank and Sean M. Hart, 99

Elementary Functional Analysis. By Barbara D. MacCluer, reviewed by Carol S. Schumacher, 466

Euclid Meets Bézout: Intersecting Algebraic Plane Curves with the Euclidean Algorithm, Jan Hilmar and Chris Smyth, 250

Euler's Constant and Averages of Fractional Parts, Friedrich Pillichshammer, 78

Evolution of Markov Chain Monte Carlo Methods, The, Matthew Richey, 383

Fancy Way to Obtain the Binary Digits of $759250125\sqrt{2}$, A, Thomas Stoll, 611

Farey Sums and Dedekind Sums, Kurt Girstmair, 72

Fermat's Spiral and the Line Between Yin and Yang, Taras Banakh, Oleg Verbitsky, and Yaroslav Vorobets, 786

Finding Good Bets in the Lottery, and Why You Shouldn't Take Them, Aaron Abrams and Skip Garibaldi, 3

Finite Group Theory. By I. Martin Isaacs, reviewed by Peter Sin, 657

Finite Quantum Measure Spaces, Stan Gudder, 512

From Enmity to Amity, Aviezri S. Fraenkel, 646

Functional Equations and Finite Groups of Substitutions, Mihály Bessenyei, 921

Fundamental Theorem of Algebra via the Fourier Inversion Formula, The, Alan C. Lazer and Mark Leckband, 455

Gini Index and Measures of Inequality, The, Frank A. Farris, 851

Grade School Triangles, Jack S. Calcut, 673

Graph Theory: A Problem Oriented Approach. By Daniel A. Marcus, reviewed by Marion Deutsche Cohen, 749

Group of Symmetries of the Tower of Hanoi Graph, The, So Eun Park, 353

Groups of Cube-Free Odd Order, M. John Curran, 363

Indefinite Quadratic Forms and the Invariance of the Interval in Special Relativity, John H. Elton, 540

Irreducible Cubics Modulo Five, Hendrik Lenstra, 817
Julius and Julia: Mastering the Art of the Schwarz Lemma, Harold P. Boas, 770
L_p Norms and the Sinc Function, David Borwein, Jonathan M. Borwein, and Isaac E. Leonard, 528
Mathematical Modeling: A Case Studies Approach. By Reinhard Illner, C. Sean Bohun, Samantha McCollum, and Thea van Roode, reviewed by Charles R. Hampton, 566
Modular Divisor Functions and Quadratic Reciprocity, Richard Steiner, 448
Monotone Convergence Theorem for the Riemann Integral, Brian S. Thomson, 547
Moving Faces to Other Places: Facet Derangements, Gary Gordon and Elizabeth McMahon, 865
Nemirovski's Inequalities Revisited, Lutz Dümbgen, Sara A. van de Geer, Mark C. Veraar, and Jon A. Wellner, 138
New Wallis- and Catalan-Type Infinite Products for π, e, and $\sqrt{2+\sqrt{2}}$, Jonathan Sondow and Huang Yi, 912
Newton's Identities and the Laplace Transform, Mircea I. Cîrnu, 67
Old and New Results in the Foundations of Elementary Plane Euclidean and Non-Euclidean Geometries, Marvin Jay Greenberg, 198
On a Question of Connes and Zagier Regarding Parallelograms Inscribed in a Pair of Confocal Ellipses, Nicolae Anghel, 828
On Cantor's First Uncountability Proof, Pick's Theorem, and the Irrationality of the Golden Ratio, Mike Krebs and Thomas Wright, 633
On Leonid Gurvits's Proof for Permanents, Monique Laurent and Alexander Schrijver, 903
On Riemann's Rearrangement Theorem for the Alternating Harmonic Series, Francisco J. Freniche, 442
On Some Coverings of the Euclidean Plane with Pairwise Congruent Circles, A. B. Kharazishvili and T. Sh. Tetunashvili, 414
On the Behavior at Infinity of an Integrable Function, Emmanuel Lesigne, 175
On the Number of Regions into Which n Straight Lines Divide the Plane, Oleg A. Ivanov, 881
On the Regularity of Operators Near a Regular Operator, Shibo Liu, 927
Parity Theorem for Drawings of Complete and Complete Bipartite Graphs, A, Dan McQuillan and R. Bruce Richter, 267
p-Free ℓ^p Inequalities, Grahame Bennett, 334
Plato's Ghost: The Modernist Transformation of Mathematics. By Jeremy Gray, reviewed by Sanford L. Segal, 378
Pólya's Theorem on Random Walks via Pólya's Urn, David A. Levin and Yuval Peres, 220
Polynomial Root Motion, Christopher Frayer and James A. Swenson, 641
Product Approximations via Asymptotic Integration, Cristinel Mortici, 434
Proof and Other Dilemmas: Mathematics and Philosophy. By Bonnie Gold and Roger A. Simons, eds., reviewed by Ethan Akin, 937
Proof of a Version of a Theorem of Hartogs, A, Marco Manetti, 550
Proof of Darboux's Theorem, A, Sam B. Nadler, Jr., 174
Quasi-Cauchy Sequences, David Burton and John Coleman, 328
Realization of Measurable Sets as Limit Points, A, Jun Tanaka and Peter F. McLoughlin, 261
Recurrent Proofs of the Irrationality of Certain Trigonometric Values, Li Zhou and Lubomir Markov, 360
Revisiting the Pascal Matrix, Barry Lewis, 50
Seventieth William Lowell Putnam Mathematical Competition, The, Leonard F. Klosinski, Gerald L. Alexanderson, and Loren C. Larson, 714
Shape of Content: Creative Writing in Mathematics and Science, The. By Chandler Davis, Marjorie Wikler Senechal, and Jan Zwicky, reviewed by Amir Alexander, 94
Short Gamma Products with Simple Values, Albert Nijenhuis, 733

Short Proof of Combinatorial Nullstellensatz, A, Mateusz Michałek, 821
Short Proof of $\zeta(2) = \pi^2/6$, A, Timothy Marshall, 352
Simple Combinatorial Algorithm for de Bruijn Sequences, A, Abbas M. Alhakim, 728
Simple Proof that $\Gamma'(1) = -\gamma$, A, Richard Bagby, 83
Statistical Models: Theory and Practice (Revised Edition). By David A. Freedman, reviewed by Rebecca F. Goldin, 844
Stern's Diatomic Sequence 0, 1, 1, 2, 1, 3, 2, 3, 1, 4, . . . , Sam Northshield, 581
Streamlined Proof of an Essential Calculus Fact, A, Stephen M. Walk, 832
Symmetrically Bordered Surfaces, William Cavendish and John H. Conway, 571
Tale of Topology, A, Gerald B. Folland, 663
Tanvolutes: Generalized Involutes, Tom M. Apostol and Mamikon A. Mnatsakanian, 701
Teaching Research: Encouraging Discoveries, Francis Edward Su, 759
Three Proofs of the Inequality $e < \left(1 + \frac{1}{n}\right)^{n+0.5}$, Sanjay K. Khattri, 273
"To a Factor *près*": Cayley's Partial Anticipation of the Weierstrass $\wp$-Function, Adrian Rice, 291
Tools of American Mathematics Teaching, 1800–2000. By Peggy Aldrich Kidwell, Amy Ackerberg-Hastings, and David Lindsay Roberts, reviewed by Daniel S. Silver, 190
Transitive Decompositions of Graphs and Their Links with Geometry and Origami, Geoffrey Pearce, 303
Transversals in Rectangular Arrays, Sherman Stein, 424
Trigonometric Identities à la Hermite, Warren P. Johnson, 311
Trouble with von Koch Curves Built from n-gons, The, Tamás Keleti and Elliot Paquette, 124
Variations on Kuratowski's 14-Set Theorem, David Sherman, 113
Volterra Functional Differential Equations: Existence, Uniqueness, and Continuation of Solutions, Hartmut Logemann and Eugene P. Ryan, 490
Voting in Agreeable Societies, Deborah E. Berg, Serguei Norine, Francis Edward Su, Robin Thomas, and Paul Wollan, 27
Wallis-Ramanujan-Schur-Feynman, T. Amdeberhan, O. Espinosa, V. H. Moll, and A. Straub, 618
When Is a Curve an Octahedron? Joel C. Langer and David A. Singer, 889
Wronskians and Linear Independence, Alin Bostan and Phillippe Dumas, 722
Yueh-Gin Gung and Dr. Charles Y. Hu Award for 2010 to Kenneth A. Ross for Distinguished Service to Mathematics, Barbara Faires, 195

Abrams, Aaron and Skip Garibaldi, Finding Good Bets in the Lottery, and Why You Shouldn't Take Them, 3
Akin, Ethan, reviewer, *Proof and Other Dilemmas: Mathematics and Philosophy*. By Bonnie Gold and Roger A. Simons, eds., 937
Alexander, Amir, reviewer, *The Shape of Content: Creative Writing in Mathematics and Science*. By Chandler Davis, Marjorie Wikler Senechal, and Jan Zwicky, 94
Alexanderson, Gerald L., *see Klosinski*
Alhakim, Abbas M., Simple Combinatorial Algorithm for de Bruijn Sequences, A, 728
Amdeberhan, T., O. Espinosa, V. H. Moll, and A. Straub, Wallis-Ramanujan-Schur-Feynman, 618
Anghel, Nicolae, On a Question of Connes and Zagier Regarding Parallelograms Inscribed in a Pair of Confocal Ellipses, 828
Apostol, Tom M. and Mamikon A. Mnatsakanian, Tanvolutes: Generalized Involutes, 701
Bagby, Richard, Simple Proof that $\Gamma'(1) = -\gamma$, A, 83
Banakh, Taras, Oleg Verbitsky, and Yaroslav Vorobets, Fermat's Spiral and the Line Between Yin and Yang, 786
Bennett, Grahame, p-Free ℓ^p Inequalities, 334
Berg, Deborah E., Serguei Norine, Francis Edward Su, Robin Thomas, and Paul Wollan, Voting in Agreeable Societies, 27
Bessenyei, Mihály, Functional Equations and Finite Groups of Substitutions, 921
Boas, Harold P., Julius and Julia: Mastering the Art of the Schwarz Lemma, 770
Borisov, Alexander, Mark Dickinson, and Stuart Hastings, Congruence Problem for Polyhedra, A, 232
Borwein, David, Jonathan M. Borwein, and Isaac E. Leonard, L_p Norms and the Sinc Function, 528
Borwein, Jonathan M., *see Borwein, David*
Bostan, Alin and Phillippe Dumas, Wronskians and Linear Independence, 722
Burton, David and John Coleman, Quasi-Cauchy Sequences, 328
Calcut, Jack S., Grade School Triangles, 673
Cavendish, William and John H. Conway, Symmetrically Bordered Surfaces, 571
Cîrnu, Mircea I., Newton's Identities and the Laplace Transform, 67
Cohen, Marion Deutsche, reviewer, *Graph Theory: A Problem Oriented Approach* By Daniel A. Marcus, 749
Coleman, John, *see Burton*
Conger, Mark A. and Jason Howald, Better Way to Deal the Cards, A, 686
Conway, John H., *see Cavendish*
Creswell, Sam H., Continuous Bijection from ℓ^2 onto a Subset of ℓ^2 Whose Inverse Is Everywhere Discontinuous, A, 823
Curran, M. John, Groups of Cube-Free Odd Order, 363
de Silva, Nadish, Concise, Elementary Proof of Arzelà's Bounded Convergence Theorem, A, 918
Dickinson, Mark, *see Borisov*
Dumas, Phillippe, *see Bostan*
Dümbgen, Lutz, Sara A. van de Geer, Mark C. Veraar, and Jon A. Wellner, Nemirovski's Inequalities Revisited, 138
Elton, John H., Indefinite Quadratic Forms and the Invariance of the Interval in Special Relativity, 540
Espinosa, O., *see Amdeberhan*
Faires, Barbara, Yueh-Gin Gung and Dr. Charles Y. Hu Award for 2010 to Kenneth A. Ross for Distinguished Service to Mathematics, 195
Farris, Frank A., Gini Index and Measures of Inequality, The, 851
Folland, Gerald B., Tale of Topology, A, 663
Fraenkel, Aviezri S., From Enmity to Amity, 646

Frank, Natalie Priebe and Sean M. Hart, Dynamical System Using the Voronoï Tessellation, A, 99
Frayer, Christopher and James A. Swenson, Polynomial Root Motion, 641
Freniche, Francisco J., On Riemann's Rearrangement Theorem for the Alternating Harmonic Series, 442
Garibaldi, Skip, *see Abrams*
Girstmair, Kurt, Farey Sums and Dedekind Sums, 72
Goldin, Rebecca F., reviewer, *Statistical Models: Theory and Practice* (Revised Edition). By David A. Freedman, 844
Gordon, Gary and Elizabeth McMahon, Moving Faces to Other Places: Facet Derangements, 865
Greenberg, Marvin Jay, Old and New Results in the Foundations of Elementary Plane Euclidean and Non-Euclidean Geometries, 198
Gudder, Stan, Finite Quantum Measure Spaces, 512
Hampton, Charles R., reviewer, *Mathematical Modeling: A Case Studies Approach*. By Reinhard Illner, C. Sean Bohum, Samantha McCollum, and Thea van Roode, 566
Hardin, Christopher S., Agreement in Circular Societies, 40
Hart, Sean M., *see Frank*
Hastings, Stuart, *see Borisov*
Hilmar, Jan and Chris Smyth, Euclid Meets Bézout: Intersecting Algebraic Plane Curves with the Euclidean Algorithm, 250
Howald, Jason, *see Conger*
Hrbacek, Karel, Olivier Lessmann, and Richard O'Donovan, Analysis with Ultrasmall Numbers, 801
Ivanov, Oleg A., On the Number of Regions into Which n Straight Lines Divide the Plane, 881
Johnson, Warren P., Trigonometric Identities à la Hermite, 311
Jones, Timothy W., Discovering and Proving that π Is Irrational, 553
Keleti, Tamás and Elliot Paquette, Trouble with von Koch Curves Built from n-gons, The, 124
Kharazishvili, A. B. and T. Sh. Tetunashvili, On Some Coverings of the Euclidean Plane with Pairwise Congruent Circles, 414
Khattri, Sanjay K., Three Proofs of the Inequality $e < \left(1 + \frac{1}{n}\right)^{n+0.5}$, 273
Klosinski, Leonard F., Gerald L. Alexanderson, and Loren C. Larson, Seventieth William Lowell Putnam Mathematical Competition, The, 714
Kozek, Mark, Asymptotic Formula for Goldbach's Conjecture with Monic Polynomials in $\mathbb{Z}[x]$, An, 365
Krebs, Mike and Thomas Wright, On Cantor's First Uncountability Proof, Pick's Theorem, and the Irrationality of the Golden Ratio, 633
Kwon, Miyeon, Dimension, Linear Functionals, and Norms in a Vector Space, 738
Langer, Joel C. and David A. Singer, When Is a Curve an Octahedron? 889
Larson, Loren C., *see Klosinski*
Laurent, Monique and Alexander Schrijver, On Leonid Gurvits's Proof for Permanents, 903
Lazer, Alan C. and Mark Leckband, Fundamental Theorem of Algebra via the Fourier Inversion Formula, The, 455
Leckband, Mark, *see Lazer*
Lenstra, Hendrik, Irreducible Cubics Modulo Five, 817
Leonard, Isaac E., *see Borwein, David*
Lesigne, Emmanuel, On the Behavior at Infinity of an Integrable Function, 175
Lessmann, Olivier, *see Hrbacek*
Levin, David A. and Yuval Peres, Pólya's Theorem on Random Walks via Pólya's Urn, 220
Lewis, Barry, Revisiting the Pascal Matrix, 50
Liu, Shibo, On the Regularity of Operators Near a Regular Operator, 927
Logemann, Hartmut and Eugene P. Ryan, Volterra Functional Differential Equations: Existence, Uniqueness, and Continuation of Solutions, 490
Manetti, Marco, Proof of a Version of a Theorem of Hartogs, A, 550
Markov, Lubomir, *see Zhou*
Marshall, Timothy, Short Proof of $\zeta(2) = \pi^2/6$, A, 352

McLoughlin, Peter F., *see Tanaka*
McMahon, Elizabeth, *see Gordon*
McQuillan, Dan and R. Bruce Richter, Parity Theorem for Drawings of Complete and Complete Bipartite Graphs, A, 267
Mercer, Peter R., Another Application of Siebeck's Theorem, 452
Michałek, Mateusz, Short Proof of Combinatorial Nullstellensatz, A, 821
Mnatsakanian, Mamikon A., *see Apostol*
Moll, V. H., *see Amdeberhan*
Mortici, Cristinel, Product Approximations via Asymptotic Integration, 434
Nadler, Sam B., Jr., Proof of Darboux's Theorem, A, 174
Najman, Filip, Diophantine Equation $x^4 \pm y^4 = iz^2$ in Gaussian Integers, The, 637
Nerode, Anil, reviewer, *Alfred Tarski: Life and Logic*. By Anita Burdman Feferman and Solomon Feferman, 286
Nijenhuis, Albert, Short Gamma Products with Simple Values, 733
Norine, Serguei, *see Berg*
Northshield, Sam, Stern's Diatomic Sequence 0, 1, 1, 2, 1, 3, 2, 3, 1, 4, . . . , 581
O'Donovan, Richard, *see Hrbacek*
Olver, Peter J., Dispersive Quantization, 599
Paquette, Elliot, *see Keleti*
Park, So Eun, Group of Symmetries of the Tower of Hanoi Graph, The, 353
Pearce, Geoffrey, Transitive Decompositions of Graphs and Their Links with Geometry and Origami, 303
Peres, Yuval, *see Levin*
Pillichshammer, Friedrich, Euler's Constant and Averages of Fractional Parts, 78
Pudwell, Lara K. and Eric S. Rowland, Counting Interesting Elections, 167
Rice, Adrian, "To a Factor *près*": Cayley's Partial Anticipation of the Weierstrass $\wp$-Function, 291
Richey, Matthew, Evolution of Markov Chain Monte Carlo Methods, The, 383
Richter, R. Bruce, *see McQuillan*
Rowland, Eric S., *see Pudwell*
Ryan, Eugene P., *see Logemann*
Schrijver, Alexander, *see Laurent*
Schumacher, Carol S., reviewer, *Elementary Functional Analysis*. By Barbara D. MacCluer, 466
Segal, Sanford L., reviewer, *Plato's Ghost: The Modernist Transformation of Mathematics*. By Jeremy Gray, 378
Sherman, David, Variations on Kuratowski's 14-Set Theorem, 113
Silver, Daniel S., reviewer, *Tools of American Mathematics Teaching, 1800–2000*. By Peggy Aldrich Kidwell, Amy Ackerberg-Hastings, and David Lindsay Roberts, 190
Sin, Peter, reviewer, *Finite Group Theory*. By I. Martin Isaacs, 657
Singer, David A., *see Langer*
Smith, James T., Definitions and Nondefinability in Geometry, 475
Smyth, Chris, *see Hilmar*
Sondow, Jonathan and Huang Yi, New Wallis- and Catalan-Type Infinite Products for π, e, and $\sqrt{2+\sqrt{2}}$, 912
Stein, Sherman, Transversals in Rectangular Arrays, 424
Steiner, Richard, Modular Divisor Functions and Quadratic Reciprocity, 448
Stoll, Thomas, Fancy Way to Obtain the Binary Digits of $759250125\sqrt{2}$, A, 611
Straub, A., *see Amdeberhan*
Su, Francis Edward, Teaching Research: Encouraging Discoveries, 759
Su, Francis Edward, *see Berg*
Swenson, James A., *see Frayer*
Tanaka, Jun and Peter F. McLoughlin, Realization of Measurable Sets as Limit Points, A, 261
Tetunashvili, T. Sh., *see Kharazishvili*
Thomas, Robin, *see Berg*
Thomson, Brian S., Monotone Convergence Theorem for the Riemann Integral, 547
van de Geer, Sara A., *see Dümbgen*
Veraar, Mark C., *see Dümbgen*
Verbitsky, Oleg, *see Banakh*
Vorobets, Yaroslav, *see Banakh*
Walk, Stephen M., Streamlined Proof of an Essential Calculus Fact, A, 832
Wellner, Jon A., *see Dümbgen*

Wetzel, John E., Ancient Elliptic Locus, An, 161
Wollan, Paul, *see Berg*
Wright, Thomas, *see Krebs*
Yi, Huang, *see Sondow*
Zhou, Li and Lubomir Markov, Recurrent Proofs of the Irrationality of Certain Trigonometric Values, 360

PROBLEMS PROPOSED

Aliyev, Y. N., 371, 11498
Alkauskas, Giedrius, 182, 11484
Ash, Peter, 649, 11520
Anghel, Nicolae, 278, 11491
Badhoniya, Neetu, K. S. Bhanu, and M. N. Deshpande, 183, 11485
Basor, Estelle, Steven N. Evans, and Kent E. Morrison, 559, 11515
Bencze, Mihály, 370, 11497
Bencze, Mihály, 459, 11508
Bencze, Mihály, 559, 11514
Bencze, Mihály, 649, 11518
Bencze, Mihály, 835, 11536
Bhanu, K. S., 458, 11503
Bhanu, K. S., *see Badhoniya*
Blumberg, Walter, 742, 11529
Bogoşel, Benjamin and Cezar Lupu, 370, 11496
Bojaxhiu, Elton and Enkel Hysnelaj, 649, 11516
Burdick, Bruce, 458, 11505
Cavachi, Marius, 87, 11478
Cavachi, Marius, 182, 11482
Cavachi, Marius, 459, 11507
Cavachi, Marius, 650, 11521
Cavachi, Marius, 742, 11526
Cavachi, Marius, 929, 11540
Chamberland, Marc, 370, 11495
Chow, Timothy, 741, 11523
Dályay, Pál Péter, 458, 11502
Dályay, Pál Péter, 558, 11513
Dályay, Pál Péter, 834, 11530
Deshpande, Bhavana and M. N. Deshpande, 371, 11500
Deshpande, M. N., *see Badhoniya*
Eğecioğlu, Ömer, 86, 11475
Evans, Steven N., *see Basor*
Furdui, Ovidiu, 649, 11519
Gagola, Stephen Jr., 183, 11487
Galperin, Grigory and Yury Ionin, 741, 11525
Glasser, M. L., 459, 11506
González, Antonio and José Heber Nieto, 86, 11477
Hillar, Christopher, 835, 11534
Holland, Finbarr, 834, 11501
Holland, Finbarr, 458, 11504
Holland, Finbarr, 558, 11512
Hysnelaj, Enkel, *see Bojaxhiu*
Ionin, Yury, *see Galperin*
Jagy, William C., 929, 11539
Just, Erwin, 835, 11533
Kouba, Omran, 87, 11480
Le, Tuan, 278, 11492
Ligouras, Panagiotes, 86, 11476
Ligouras, Panagiotes, 278, 11489
Lupu, Cezar, 183, 11486
Lupu, Cezar, 742, 11527
Lupu, Cezar, *see Bogoşel*
Lupu, Cezar and Tudorel Lupu, 649, 11517
Lupu, Cezar and Vicenţiu Rădulescu, 834, 11532
Lupu, Cezar and Vicenţiu Rădulescu, 929, 11542
Lupu, Cezar and Valentin Vornicu, 370, 11474
Lupu, Tudorel, *see Lupu, Cezar*
Matei, Vlad, 558, 11510
Merino, Dennis I. and Fuzhen Zhang, 278, 11488
Mészáros, Gábor, 278, 11490
Minculete, Nicuşor, 834, 11531
Minculete, Nicuşor, 929, 11541
Morrison, Kent E., *see Basor*
Nieto, José Heber, *see González*
Omarjee, Moubinool, 650, 11521
Pité, Éric, 182, 11483
Rădulescu, Vicenţiu, *see Lupu, Cezar*
Rietz, Ron, 182, 11481
ShahAli, H.A., 741, 11524
Sîntămărian, Alina, 742, 11528
Stakhovsky, Vitaly, 87, 11479
Stanford, William, 558, 11509
Stong, Richard, 930, 11543
Tetiva, Marian, 835, 11535
Tetiva, Marian, 929, 11538

Vornicu, Valentin, *see Lupu*
Withers, Lang, Jr., 929, 11537
Zhang, Fuzhen, *see Merino*
Zoltan, Retkes, 558, 11511

Problems Solved

Abel, Ulrich, 935
Andersen, Kenneth F., 935
Andreoli, M., 744, 932
Apostolopoulos, George, 463
Bagby, Richard, 650
Bandeira, Afonso, Joel Moreira, and João Guerreiro, 559
Bataille, Michel, 561
Bergen, Jeffrey, 933
Bojaxhiu, Elton and Enkel Hysnelaj, 88
Brase, Rob, 285
Bridges, Donald R., 376
Carlton, Matthew A., 842
Chapman, Robin, 184, 375
Chen, Hongwei, 837, 655
Corn, Patrick, 655
Dale, Knut, 377
Dályay, Pál Péter, 559
Eldredge, Nate, 280
Englefield, M.J., 650
Fraenkel, Aviezri, 376
Gagola Jr., Stephen M., 744
Geupel, Oliver, 933, 839
Gove, David, 742
Guerreiro, João, 459
Guerreiro, João, *see Bandeira*
Goldenberg, Michael and Mark Kaplan, 281
Grivaux, Julien, 562
Hanes, Kit, 748
Hooper, Peter, *see Schmuland*
Horn, Roger A., 565
Hysnelaj, Enkel, *see Bojaxhiu*
Ionascu, Eugen J., 280
Iordache, Bianca-Teodora, 843
Kaplan, Mark, *see Goldenberg*
Kidwell, M.E., *see Meyerson*
Kouba, Omran, 183, 186, 652
Lindsey II, John H., 187, 462, 743
Lockhart, Jody, 187
Lossers, O.P., 459, 835, 746, 840
Martin, Greg, 745
Meyerson, M.D. and M.E. Kidwell, 930
Moreira, Joel, *see Bandeira*
Omarjee, Moubinool, 841
Pité, Éric, 279
Poore, Daniel, *see Rice*
Rice, Brian and Daniel Poore, 90
Rueher, Otto G., 564
Schmuland, Byron, 92
Schmuland, Byron and Peter Hooper, 563
Smith, Simon J., 11383
Stakhovsky, Vitaly, 11376
Stampfli, Max, 185
Stenger, Allen, 92
Stong, Richard, 372, 87, 89, 91, 460, 461, 931, 838, 936
Tetiva, Marian, 465
Wildon, Mark, 464
Yiu, Paul, 653
Zhang, Fuzhen, 746
BSI Problems Group, 91, 283, 747
GCHQ Problem Solving Group, 459, 372
Microsoft Research Problems Group, 934

Solutions

January, 2010
11348, 87
11349, 88
11350, 89
11351, 90
11352, 90
11353, 91
11354, 92
February, 2010
11356, 183
11357, 184
11359, 185
11361, 186
11362, 187
11367, 187
March, 2010
11355, 279
11360, 280
11366, 280
11370, 281

11375, 282
11376, 283
11381, 283
11385, 285
April, 2010
11346, 371
11366, 372
11364, 374
11365, 376
11369, 377
May, 2010
11358, 459
11368, 460
11371, 461
11373, 462
11386, 463
11396, 464
11397, 465
June–July, 2010
11374, 559
11392, 559
11393, 561
11399, 562
11402, 563
11410, 564
11415, 565
August–September, 2010
11404, 650
11412, 650
11418, 652
11419, 653
11422, 655
11423, 655
October, 2010
11372, 742
11377, 743
11379, 744
11380, 744
11384, 745
11387, 746
11389, 747
11405, 748
November, 2010
11378, 835
11398, 836
11409, 837
11413, 838
11414, 839
11416, 840
11417, 841
11426, 842
11427, 843
December, 2010
11390, 930
11391, 931
11394, 932
11395, 933
11400, 933
11401, 934
11406, 935
11429, 936

The MONTHLY expresses its appreciation to the following people for their help in refereeing during the past year. We could not function successfully without such people and their hard work.

Abdollahi, Alireza
Abrams, Lowell
Adamchik, Victor
Adams, Colin
Adler, Fred
Akopyan, Arseniy
Allcock, Daniel
Alsina, Claudi
Alspach, Dale
Aluffi, Paolo
Anderson, Dan
Anderson, David
Anderson, Joel
Andrews, George
Apostol, Tom
Ardila, Federico
Arnold, Barry
Artin, Michael
Aschbacher, Michael
Assaf, Sami
Azencot, Robert
Baginski, Paul
Bailey, David
Baladi, Viviane
Banchoff, Thomas
Bandle, Catherine
Barbanel, Julius
Barnsley, Michael
Baumslag, Gilbert
Bazzanella, Danilo
Beardon, Alan
Beare, Brendan
Beck, Matthias
Beeson, Amanda
belcastro, sarah-marie
Benjamin, Arthur
Bennett, Michael
Berndt, Bruce
Bernhardt, Chris
Bessenrodt, Christine
Bewersdorff, Jörg
Bhargava, Mira
Bhatia, Rajendra
Bidwell, Jonni
Bierstone, Edward
Biggs, Norman
Bini, Dario
Blass, Andreas
Boas, Harold
Bober, Jonathan
Borwein, Jonathan

Borwein, Peter
Boutin, Mireille
Boyd, John
Boyle, Michael
Braden, Tom
Brandsma, Henno
Breen, Marilyn
Bresar, Matej
Bressoud, David
Bridges, Douglas
Brightwell, Graham
Brink, David
Brittenham, Mark
Brooks, Cara
Brown, Ezra
Brown, Russell
Brualdi, Richard
Buchanan, Robert
Buell, Duncan
Bugeaud, Yann
Bump, Daniel
Burckel, Robert
Buskes, Gerald
Buzzard, Greg
Byrnes, Kevin
Cairns, Grant
Camenga, Kristin
Cannarsa, Piermarco
Cannon, Raymond
Cantarella, Jason
Carter, J. Scott
Case, Jim
Castillo, Enrique
Chen, Jeff
Chen, William Y. C.
Cima, Joseph
Clifford, John
Cochrane, Todd
Coffey, Mark
Colley, Susan
Connes, Alain
Conrey, Brian
Cooke, Roger
Crannell, Annalisa
Csiszár, Imre
Curran, John
Cutland, Nigel
Dajani, Karma
Dalawat, Chandan
de Jeu, Marcel
de Jong, Theo
Demarco, Laura
Derksen, Harm
Devadoss, Satyan
Diaconis, Persi
Diamond, Phil
Dieckmann, Andreas
Doering, Charles
Dominici, Diego
Dorff, Michael
Dovgoshey, Oleksiy
Dudley, Underwood
Dukes, Peter
Dummit, David
Dunham, Jill
Durrett, Rick
Dykema, Ken
Dyson, Freeman
Edelman, Paul
Edmonds, Allan
Edwards, Harold
Effinger, Gove
Eisenberg, Bennett
Elsner, Carsten
Embid, Pedro
Emerton, Matthew
Enayat, Ali
Eneyew, Tilahun
Erdos, John
Eremenko, Alexandre
Evans, Ron
Evseev, Anton
Ewald, William
Falconer, Kenneth
Farhi, Bakir
Farmer, David
Farnsworth, David
Fenley, Sergio
Filaseta, Michael
Fournier, John
Francis, George
Frantzikinakis, Nikos
Friedland, Shmuel
Fuchs, Dmitry
Fuchs, Laszlo
Fukshansky, Lenny
Fulman, Jason
Garrett, Paul
Gastwirth, Joseph
Ger, Roman
Gerbracht, Eberhard
Gessel, Ira
Ghomi, Mohammad
Gianni, Patrizia
Gill, Richard
Glynn, Peter
Godbole, Anant
Goodman-Strauss, Chaim
Gordon, Gary
Gouvêa, Fernando
Grabiner, Judith
Graham, Sid
Grant, David
Granville, Andrew
Green, Judy
Greene, Curtis
Grier, David
Güntürk, Sinan
Gurvits, Leonid
Guy, Richard
Hajja, Mowaffaq
Hall, Leon
Hamedani, G.
Hamel, Mariah
Hanusa, Christopher
Harborth, Heiko
Hare, Kathryn
Haskell, Deirdre
Haunsperger, Deanna
Hazrat, Roozbeh
Hefetz, Dan
Hejhal, Dennis
Henle, James
Hensley, Doug
Hida, Haruzo
Hoffoss, Diane
Holly, Jan
Homberg, Ale
Horn, Roger
Hull, Thomas
Huuskonen, Taneli
Huxley, Martin
Imbrie, John
Impens, Chris
Ionescu, Alex
Jochnowitz, Naomi
Johnson, Charles
Josic, Kresimir
Jungic, Veselin
Kaczorowski, Jerzy
Kalman, Dan
Kantor, William
Kaplan, Nathan
Karp, Dagan
Katz, Victor
Kellner, Bernd
Kenyon, Richard
Khoshnevisan, Davar
Kimberling, Clark
Kiming, Ian
Knapp, Anthony
Knott, Ron
Koblitz, Neal
Koch, Herbert
Kolitsch, Louis
Kontorovich, Alex
Korkut, Luka
Kozek, Mark
Krantz, Steven
Kressner, Daniel
Kriloff, Cathy
Krishnapur, Manjunath
Krömer, Ralf
Krusemeyer, Mark
Kuba, Gerald
Kupitz, Yaakov
Laba, Izabella
Lacey, Michael
Laczkovich, Miklós
Lalin, Matilde
Lanphier, Dominic
Lantz, David
Lawler, Gregory

Lawrence, James
Lax, Peter
Lenagan, Tom
Lenstra, Hendrik
Leonard, Isaac
Lesigne, Emmanuel
LeVeque, Randall
Levi, Mark
Lewis, Charles
Li, Chi-Kwong
Loeb, Peter
Loepp, Susan
Lorentzen, Lisa
Lott, John
Luca, Florian
Lucas, Steven
Maligranda, Lech
Margalit, Dan
Martin, Greg
Martin, Ralph
Mauldin, R. Daniel
Mayans, Robert
McCrimmon, Kevin
Meneveau, Charles
Metsänkylä, Tauno
Miernowski, Andrzej
Miller, Arnold
Miller, Ezra
Miller, Steven
Minda, David
Moll, Victor
Montgomery, Richard
Morgan, Frank
Morley, Mary
Morris, Carl
Morris, Dave
Mossinghoff, Michael
Mostovoy, Jacob
Mullen, Gary
Murray, William
Nadler, David
Nakamaye, Michael
Nakos, George
Narayan, Darren
Neely, Michael
Nelson, Edward
Nesterenko, Yuri
Neumann, Walter
Nielsen, Pace
Niemeyer, Alice
Nijenhuis, Albert
Nillsen, Rodney
Northshield, Sam
Ormes, Nicholas
O'Rourke, Joseph
Overton, Michael
Pak, Igor
Palka, Bruce
Panario, Daniel
Panti, Giovanni
Parish, James
Pego, Robert
Pemantle, Robin
Perlman, Michael
Peterson, Jonathan
Petrunin, Anton
Phelps, Kevin
Pickett, Tom
Pippenger, Nicholas
Pomerance, Carl
Poonen, Bjorn
Prajitura, Gabriel
Prévost, Marc
Prodinger, Helmut
Pudwell, Lara
Rahikka, Theresa
Rainbolt, Julianne
Reay, John
Regev, Amitai
Reznick, Bruce
Richman, Fred
Rivin, Igor
Robert, Alain
Rockmore, Daniel
Rogalski, Daniel
Rohde, Steffen
Rosen, Michael
Ross, Sheldon
Rosson, Holly
Rotman, Joseph
Rousseau, Cecil
Ruskai, Mary Beth
Sabia, Juan
Sanchez, David
Sands, Jonathan
Schattschneider, Doris
Schechter, Martin
Schep, Anton
Schleicher, Dierk
Schneps, Leila
Schwartz, Rich
Schwenk, Allen
Shallit, Jeffrey
Shapiro, Jay
Shepp, Larry
Shurman, Jerry
Sigman, Karl
Silverberg, Alice
Silverman, Joseph
Simeonov, Plamen
Simons, Christopher
Singmaster, David
Smith, Ken
Soifer, Alexander
Sondow, Jonathan
Soundararajan, Kannan
Speicher, Roland
Spencer, Joel
Spiroff, Sandra
Stanley, Richard
Stark, Philip
Stillwell, John
Stopple, Jeffery
Suceava, Bogdan
Sukochev, Fedor
Szabo, Sandor
Tao, Terence
Tattersall, James
Taylor, Joseph
Tichy, Robert
Timorin, Vladlen
Traldi, Lorenzo
Traves, William
Traynor, Lisa
Tsintsifas, George
Tubbs, Robert
Vaaler, Jeff
Vakil, Ravi
Vandervelde, Sam
Vardy, Alexander
Varga, Richard
Vinroot, Ryan
Volkmer, Hans
Vu, Van
Wagon, Stan
Wagstaff, Samuel
Waldschmidt, Michel
Walsh, Gary
Wan, James
Wang, Chengbo
Wang, Jianzhong
Wang, Shawn
Ward, Mark
Waterman, Michael
Westendorp, Gerald
White, Brian
Wierman, John
Wilf, Herb
Wilson, Robert
Wong, Siman
Wright, Stephen
Xie, Feng
Yeung, Stephen
Yiu, Paul
Zabell, Sandy
Zagier, Don
Zamfirescu, Tudor
Zeilberger, Doron
Ziegler, Günter
Zimmerman, Jay
Zitarelli, David
Zudilin, Wadim